

**VERSION DESCRIPTION DOCUMENT
FOR THE NASA TRAINING AND DEVELOPMENT SYSTEM**

Beta Release 3.0.0

PrISMS Contract

February, 1998



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

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FOR THE
NASA TRAINING AND DEVELOPMENT SYSTEM
BETA RELEASE 3.0.0**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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Approved by

2/24/98

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, AL

February 1998

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1.0 INTRODUCTION

The Version Description Document (VDD) identifies the exact version of the National Aeronautics and Space Administration (NASA) Training and Development System (NTDS) released for installation/implementation.

1.1 Identification of the Release

This software release is identified as NTDS, Beta Release 3.0.0 and has an effective release date of February 24, 1998. The production release is schedule to be distributed on April 30, 1998.

1.2 Purpose of the Release

The purpose of this release is to prevent potential problems in year 2000 processing. The Change Control Request (CCR) is listed in Appendix C.

1.3 Scope

This VDD provides the functional and technical user of NTDS with information regarding the contents, status, and structure of Release 3.0.0, including the following:

- Changes implemented since release 2.6.2.
- Validation procedures to ensure the reliability of release changes.
- Detailed software installation instructions.

1.4 Contact Points

Sustaining Engineering for NTDS is provided through the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed:

The NACC Technical Services Center (Use following Key Words:
SESAAS & NTDS)

Telephone: (205) 544-1376
E Mail: James.Joyner@msfc.nasa.gov
FAX: (205) 544-1836

2.0 FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 Functional Changes

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Procedures, describes all Software PREDICT and SYSERR changes related to this release.

2.2 Functional Interfaces

Not Applicable

2.3 Critical Issues

Not Applicable

2.4 Affected Documents

Not Applicable

2.5 Application System Administration

Not Applicable

3.0 TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 Technical System Interfaces

Not Applicable

3.2 Data Dictionary Changes

Not Applicable

3.3 Software Object Changes

The affected modules for this release are included in Appendix D, Section 2.2.

3.4 Database Administration

This section describes the database administration activities for NTDS.

3.4.1 Release Data Set Names

The data sets for Release 3.0.0 are located on the Central Distribution Facility. The names of these data sets are included in the Introduction of Appendix D.

3.4.2 Inventory of Objects

Refer to Appendix D.

3.4.3 Storage Considerations

Not Applicable

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions, for detailed procedures.

3.5 Operational Preparation

Refer to the procedures described in Section 3.4.4 for assistance in preparing for proper installation and operational use of the release

4.0 KNOWN AND OPEN PROBLEMS

There are no known and open problems.

APPENDIX A
ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

ADP	Automated Data Processing
BJS	Batch Job Submitter
CCR	Change Control Request
CR	Change Request
DR	Discrepancy Report
ID	Identification
IDP	Individual Development Plan
MATH	Mass Add of Training History
NACC	NASA Automated Data Processing Consolidation Center
NASA	National Aeronautics and Space Administration
NDM	Network Data Mover
NTDS	NASA Training and Development System
PF	Program Function
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
SIDP	Standard Individual Development Plan
SSN	Social Security Number
SYSERR	Natural System Error Utility
TH	Training History
TR	Training Request
VDD	Version Description Document

APPENDIX B

GLOSSARY

GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs an software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of an application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C
FUNCTIONAL CHANGE VALIDATION PROCEDURES

FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures provided for changes in this release.

Section	CCR	Title
1.0	96000321	Year 2000 Changes.

Details for the validation procedures are listed below:

1.0 CCR Number 96000321 Year 2000 Changes.

1.0.1 NPPS SSN & Name Changes Update Reports (NOACs 780 and 002)

Description of Enhancement

Two programs have been modified to process a leap year 2000 edit. These programs produce the NOAC 780 SSN & Name Changes Update Report and the NOAC 002 SSN & Name Changes Update Report.

Functional Impact

The NPPS SSN/Name Changes process job will execute successfully under a year 2000 scenario, with the NPPS MATURE DATE column in both reports able to display '02/29/00'.

Validation Procedures

Verify that processing is accomplished when executing NTDS under a system date for the year 2000.

From the NTDS Main Menu, select option 'K', Batch Job System. Press <ENTER>.

1. From the BJS Main Menu, select option 'B', Job Scheduling. Press <ENTER> .
2. From the Job Scheduling Menu, select option 'B', Submit Process Job. Press <ENTER>.
3. Find the entry, 'NPPS SSN/NAME CHANGES'. Select the entry with an 'S'. Press <ENTER>.
4. On the Selection Criteria pop-up window, enter a value of 'A' for 'Edit Reports and Update Database'. Press <ENTER>.

5. On the password pop-up, press <ENTER>.
6. On the job-submitted pop-up, press <ENTER>.
7. Press PF3 until arriving at the Job Scheduling screen. Select option 'A', Job Queue. Press <ENTER>.
8. Locate the job. When it has finished, select it with an 'L' to view the job log. Note the job name and number, plus whether the job finished successfully.
9. Locate the job output, and find the report.
10. Verify that the reports for NTDBI205 and NTDBI211 show '02/29/00' in the NPPS MATURE DATE column for any records with a NPPS mature date of February 29, 2000.

1.0.2 1 In 10 Regulation Report

Description of Enhancement

A program has been modified to process a leap year 2000 edit. This program produces the 1 In 10 Regulation List.

Functional Impact

The 1 In 10 Regulation report job will execute successfully under a year 2000 scenario, with the FSCD column able to display '02/29/00'.

Validation Procedures

Verify that processing is accomplished when executing NTDS under a system date for the year 2000.

1. From the NTDS Main Menu, select option 'K', Batch Job System. Press <ENTER>.
2. From the BJS Main Menu, select option 'B', Job Scheduling. Press <ENTER> .
3. From the Job Scheduling Menu, select option 'C', Submit Report Job. Press <ENTER>.
4. Using the PF8 key , find the entry, "'1 IN 10" REGULATION LIST'. Select the entry with an 'S'. Press <ENTER>.
5. On the Selection Criteria pop-up window, enter a value of '0005' for the total hours. Press PF2.
6. On the password pop-up, press <ENTER>.
7. On the job-submitted pop-up, press <ENTER>.
8. Press PF3 until arriving at the Job Scheduling screen. Select option 'A', Job Queue. Press <ENTER>.

9. Locate the job. When it has finished, select it with an 'L' to view the job log. Note the job name and number, plus whether the job finished successfully.
10. Locate the job output, and find the report.
11. Verify that the report shows '02/29/00' in the FSCD column for any records with an FSCD date of February 29, 2000.

1.0.3 Duplicate Previous Years Courses Screen

Description of Enhancement

The map for the Duplicate Previous Years Courses screen has been modified to provide the capability to display '00' for two data elements.

Functional Impact

The Duplicate Previous Years Courses screen will be able to display '00', under a year 2000 scenario, for the COPY FROM FISCAL YR and CREATE FOR FISCAL YR data elements.

Validation Procedures

1. From the NTDS Main Menu, enter 'ZCO' to reach the Duplicate Previous Years Courses screen. Press <ENTER>.
2. On screen 1, for COPY FROM FISCAL YR, enter a pre-2000 FY that has at least one existing course for that fiscal year. For CREATE FOR FISCAL YR, enter '00'. Press <ENTER>.
3. On screen 2, remove the 'X' for any course(s) not to be duplicated. Press PF2.
4. When the pop-up window appears, press PF2.
5. Verify that the course duplication process has completed successfully. Verify that the CREATE FOR FISCAL YR shows '00'.
6. On screen 1, for COPY FROM FISCAL YR, enter '00'. For CREATE FOR FISCAL YR, enter '01'. Press <ENTER>.
7. On screen 2, remove the 'X' for any course(s) not to be duplicated. Press PF2.
8. When the pop-up window appears, press PF2.
9. Verify that the course duplication process has completed successfully. Verify that the COPY FROM FISCAL YR shows '00' and the CREATE FOR FISCAL YR shows '01'.

1.0.4 Course Session Add Screen

Description of Enhancement

The map for the Course Session Add screen has been modified to provide the capability to display '00' for a data element.

Functional Impact

The Course Session Add screen will be able to display '00', under a year 2000 scenario, for the FY data element.

Validation Procedures

1. From the NTDS Main Menu, enter 'ACS' to reach the Course Session Add screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', existing course code, new session number, plus start and end dates that fall within the fiscal year. Press <ENTER>.
3. Verify that the FY shows '00'.
4. Enter required data for other fields on screen 1. Press <ENTER>. (Data for some fields can be retrieved by keying an '*' in the field and then selecting a value).
5. Enter required data for fields on screen 2. Press <ENTER>.
6. Press PF2 to add the course session.
7. Verify that the course session has added successfully.

1.0.5 Course Session Browse / Course Session Change / Course Session Delete Screens

Description of Enhancement

The map for the Course Session Browse, Course Session Change, and Course Session Delete screens has been modified to provide the capability to display '00' for a data element.

Functional Impact

The Course Session Browse, Course Session Change, and Course Session Delete screens will be able to display '00', under a year 2000 scenario, for the FY data element.

Validation Procedures

Course Session Browse

1. From the NTDS Main Menu, enter 'BCS' to reach the Course Session Browse screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for an existing course. Press <ENTER>.
3. Verify that the FY shows '00'. Press <ENTER>.
4. On screen 2, press PF2 to finish the browse process.
5. Verify that the course session browse has ended successfully.

Course Session Change

1. From the NTDS Main Menu, enter 'CCS' to reach the Course Session Change screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for an existing course. Press <ENTER>.
3. Verify that the FY shows '00'.
4. Change the Status Code to 'X', so that the session can be deleted later. Press <ENTER>. (If Status Code already is an 'X', change it to another value, or change another field).
5. On screen 2, press PF2 to update the session.
6. Verify that the course session has updated successfully.

Course Session Delete

1. From the NTDS Main Menu, enter 'DCS' to reach the Course Session Delete screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for an existing course. Press <ENTER>.
3. Verify that the FY shows '00'. Press <ENTER>.
4. On screen 2, press PF2 to delete the session.
5. At the verify-delete prompt, press <ENTER>.
6. Verify that the course session has deleted successfully.

1.0.6 Group TR Add Screen

Description of Enhancement

The map for the Group TR Add screen has been modified to provide the capability to display '00' for a data element.

Functional Impact

The Group TR Add screen will be able to display '00', under a year 2000 scenario, for the FY data element.

Validation Procedures

1. From the NTDS Main Menu, enter 'AGTR' to reach the Group TR Add screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for an existing course. Press <ENTER>.
3. On screens 2 and 3, press <ENTER>.
4. On screen 4, key in the SSNs for the participants. Press PF2.
5. Verify that the TR records have added successfully.
6. Using PF3, go back to screen 1. Verify that the FY shows '00'.

1.0.7 Course Roster Browse / Course Roster Change Screens

Description of Enhancement

The map for the Course Roster Browse and Course Roster Change screens has been modified to provide the capability to display '00' for a data element.

Functional Impact

The Course Roster Browse and Course Roster Change screens will be able to display '00', under a year 2000 scenario, for the FY data element.

Validation Procedures

Course Roster Browse

1. From the NTDS Main Menu, enter 'BCR' to reach the Course Roster Browse screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for an existing course. Press <ENTER>.
3. Verify that the FY shows '00'.
4. After viewing the participants, press PF2 to finish the browse process.
5. Verify that the course roster browse has ended successfully.

Course Roster Change

1. From the NTDS Main Menu, enter 'CCR' to reach the Course Roster Change screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for an existing course. Press <ENTER>.
3. Verify that the FY shows '00'.

4. Change the value of the SPACES field. (Enter an '*' in the field to see the possible selections). Press <ENTER>.
5. Press PF2 to update the course roster.
6. Verify that the course roster has been updated successfully.

1.0.8 Dynamic Course Roster Save / Course Roster Unsave Screens

Description of Enhancement

The map for the Dynamic Course Roster Save and Course Roster Unsave screens has been modified to provide the capability to display '00' for a data element.

Functional Impact

The Dynamic Course Roster Save and Course Roster Unsave screens will be able to display '00', under a year 2000 scenario, for the FY data element.

Validation Procedures

Dynamic Course Roster Save

1. From the NTDS Main Menu, enter 'SAVECR' to reach the Dynamic Course Roster Save screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for an existing course. Press <ENTER>.
3. Verify that the FY shows '00'.
4. After viewing the participants, press PF2 to save the course roster.
5. Verify that the course roster save process was successful. Press <ENTER>.
6. From the NTDS Main Menu, enter 'BCR' to reach the Course Roster Browse screen.
7. On screen 1, enter a FY of '00', plus the course code and session number for the course roster that has been saved. Press <ENTER>.
8. Verify that the Roster Status is 'S' (Saved).

Course Roster Unsave

1. From the NTDS Main Menu, enter 'UNSAVECR' to reach the Course Roster Unsave screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for the saved course roster. Press <ENTER>.
3. Verify that the FY shows '00'.

4. After viewing the participants, press PF2 to unsave the course roster.
5. On the pop-up window to confirm the unsave, ensure that the value is 'Y'. Press <ENTER>.
6. Verify that the message 'Course Roster has been unsaved' appears.
7. From the NTDS Main Menu, enter 'BCR' to reach the Course Roster Browse screen.
8. On screen 1, enter a FY of '00', plus the course code and session number for the course roster that has been unsaved. Press <ENTER>.
9. Verify that the Roster Status is 'D' (Dynamic).

1.0.9 Course Roster Select Screen

Description of Enhancement

The map for the Course Roster Select screen has been modified to provide the capability to display '00' for a data element.

Functional Impact

The Course Roster Select screen will be able to display '00', under a year 2000 scenario, for the FY data element.

Validation Procedures

1. From the NTDS Main Menu, enter 'SCR' to reach the Course Roster Select screen. Press <ENTER>.
2. On screen 1 of the Course Roster Select, enter a FY of '00'. Press <ENTER>.
3. On screen 2 of the Course Roster Select, enter a 'B' next to an existing course. Press PF2.
4. On the screen for the Course Roster Browse, press <ENTER> to process the course and session selection.
5. After viewing the participants, press PF2 to finish the browse process.
6. On screen 3 of the Course Roster Select, press PF2 to finish the select process.
7. On screen 2 of the Course Roster Select, press PF3 to back out of the screen.
8. On screen 1 of the Course Roster Select, verify that the FY shows '00'.

1.0.10 Course Completion Add/Change / Course Completion Browse Screens

Description of Enhancement

The map for the Course Completion Add/Change and Course Completion Browse screens has been modified to provide the capability to display '00' for a data element.

Functional Impact

The Course Completion Add/Change and Course Completion Browse screens will be able to display '00', under a year 2000 scenario, for the FY data element.

Validation Procedures

Verify that processing is accomplished when executing NTDS under a system date for fiscal year 2000. The course completion date must not be greater than the system date.

Course Completion Add/Change

1. From the NTDS Main Menu, enter 'ACC' to reach the Course Completion Add/Change screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for an existing course. Press <ENTER>.
3. Verify that the FY shows '00'.
4. Assign or change a grade for a course participant. Press PF2.
5. Verify that the course roster has updated successfully.

Course Completion Browse

1. From the NTDS Main Menu, enter 'BCC' to reach the Course Completion Browse screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for an existing course. Press <ENTER>.
3. Verify that the FY shows '00'. Press PF2.
4. Verify that the course completion browse process has finished successfully.

1.0.11 Course Completion Add/Change (PF11) / Course Completion Browse (PF11) Screens

Description of Enhancement

The map for the Course Completion Add/Change (PF11) and Course Completion Browse (PF11) screens has been modified to provide the capability to display '00' for a data element.

Functional Impact

The Course Completion Add/Change (PF11) and Course Completion Browse (PF11) screens will be able to display '00', under a year 2000 scenario, for the FY data element.

Validation Procedures

Verify that processing is accomplished when executing NTDS under a system date for fiscal year 2000. The course completion date must not be greater than the system date.

Course Completion Add/Change (PF11)

1. From the NTDS Main Menu, enter 'ACC' to reach the Course Completion Add/Change screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for an existing course. Press <ENTER>.
3. Press PF11 to view the additional data for these course participants.
4. Verify that the FY shows '00'.
5. Assign an end date for a course participant. Press PF2.
6. Verify that the course roster has updated successfully.

Course Completion Browse (PF11)

1. From the NTDS Main Menu, enter 'BCC' to reach the Course Completion Browse screen. Press <ENTER>.
2. On screen 1, enter a FY of '00', plus the course code and session number for an existing course. Press <ENTER>.
3. Press PF11 to view the additional data for these course participants.
4. Verify that the FY shows '00'. Press PF2.
5. Verify that the course completion browse process has finished successfully.

- **Affected Modules**

Module	Module Name	Type
NTDBI205	NPPS SSN & Name Changes Report (NOAC 780)	PGM
NTDBI211	NPPS SSN & Name Changes Report (NOAC 002)	PGM
NTDBR6RA	1 In 10 Regulation Report	PGM
NTDMC0Z1	Duplicate Previous Years Courses	MAP
NTDMC1A1	Course Session Add	MAP
NTDMC1B1	Course Session Browse Course Session Change Course Session Delete	MAP
NTDMR2A1	Group TR Add	MAP
NTDMR4B1	Course Roster Browse Course Roster Change	MAP
NTDMR4C1	Dynamic Course Roster Save Course Roster Unsave	MAP
NTDMR4S1	Course Roster Select	MAP
NTDMR5C1	Course Completion Add/Change Course Completion Browse	MAP
NTDMR5C2	Course Completion Add/Change (PF11) Course Completion Browse (PF11)	MAP

APPENDIX D
INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS

Introduction

Release identification:

System Name: NASA Training and Development System (NTDS)

Beta Release Number: 3.0.0

Beta Release Date: February 24, 1998

Beta Release Effective Date: February 24, 1998

The following datasets are located on the Central Distribution Facility as AIM data sets.

- AIMS.NTDS.BETA.REL300.REL0298.SRC
- AIMS.NTDS.BETA.REL300.REL0298.DOC

In case of installation problems, contact the NACC Technical Services Center (identify yourself as SESAAS and NTDS.)

Telephone: (205) 544-1376

Email: james.joyner@msfc.nasa.gov

FAX Number (205) 544-1836

IMPORTANT: This is a BETA release for the Y2K modifications. It should be installed into a special Y2K database, NOT your normal test database, nor your production database. This special Y2K database should be pre-loaded with your production library prior to beginning this installation.

Installation Sequence

Installation is to occur in the following sequence:

- 1.0 Backups
- 2.0 Copy Source/Object Code
- 3.0 Pre-PREDICT Data Conversion
- 4.0 PREDICT Installation
- 5.0 Catalog Source Code
- 6.0 Post-PREDICT Data Conversion/Load
- 7.0 Perform Release-Specific Installation Procedures
- 8.0 Installation Checklist for NTDS Release 3.0.0

1.0 BACKUPS

It is advisable to back up all NTDS files as a precautionary measure prior to installation.

2.0 COPY SOURCE/OBJECT CODE

2.1 Copy Source Code

Load the NTDS source library from dataset AIMS.NTDS.BETA.REL300.REL0298.SRC using the Natural utility NATLOAD. The source modules were unloaded using the Natural utility NATUNLD. The source modules will be loaded to the application library NTDS, replacing any existing source modules of the same name. The source module count included in this release is listed below:

Natural Source Modules by Type

Global Data Areas	0
Local/Param Data Areas	0
Maps	9
Helproutines	0
Subroutines	0
Subprograms	0
Programs	3
Copycode	0
Text	0
Process	0
Miscellaneous Objects	0
=====	
Total Programming Objects	12
Total Views Unloaded	0
Total Objects Read	12
Total Object Unloaded	12

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

Not Applicable

Changed Modules

1. NTDBI205 NPPS SSN & Name Changes Report Program (NOAC 780)
2. NTDBI211 NPPS SSN & Name Changes Report Program (NOAC 002)
3. NTDBR6RA 1 In 10 Regulation Report Program
4. NTDMC0Z1 Duplicate Previous Years Courses Screen
5. NTDMC1A1 Course Session Add Screen
6. NTDMC1B1 Course Session Browse Screen
7. Course Session Change Screen
8. Course Session Delete Screen
9. NTDMR2A1 Group TR Add Screen
10. NTDMR4B1 Course Roster Browse Screen
11. Course Roster Change Screen
12. NTDMR4C1 Dynamic Course Roster Save Screen
13. Course Roster Unsave Screen
14. NTDMR4S1 Course Roster Select Screen
15. NTDMR5C1 Course Completion Add/Change Screen
16. Course Completion Browse Screen
17. NTDMR5C2 Course Completion Add/Change (PF11) Screen
18. Course Completion Browse (PF11) Screen

Deleted Modules

1. NTDMR303 Course Session Search Map

2.3 Copy Object Modules

Not Applicable

3.0 PRE-PREDICT DATA CONVERSION

Not Applicable

4.0 PREDICT INSTALLATION

Not Applicable

5.0 CATALOG SOURCE CODE

It is advisable to execute a CATALL.

After objects are compiled, the NTDS application will run under the on-line standard parameters.

6.0 POST-PREDICT DATA CONVERSION/LOAD

Not Applicable

7.0 PERFORM RELEASE-SPECIFIC INSTALLATION PROCEDURES

7.1 Load NTDS Error Messages into SYSERR

Not applicable for this release.

7.2 Update Release Number

Log on to NTDS library and execute program NTDP-REL on the Natural Command line. Enter the release number as 03.00.00 and press <ENTER>.

From the Natural command line, execute program BJSP-REL. Enter the release number as 03.00.00 and press <ENTER>.

8.0 INSTALLATION CHECKLIST FOR NTDS RELEASE 3.0.0

APPLICATION SETUP

NOTE: 'Ref.' refers to the corresponding section number in VDD Appendix D or \$README.

(STAG/PROD)

___/___	Perform Backups	(Ref. 1.0)
___/___	Copy Source/Object code	(Ref. 2.0)
___/___	Catalog Source programs	(Ref. 5.0)
___/___	Update Release Number (NTDS and BJS)	(Ref. 7.2)